hybridization signals were quantified on a STORM 840-phosphorimager (Molecular Dynamics, Sunnyvale, CA) using ImageQuaNT™ software, Version 5.0, Molecular Dynamics.

After page 50, please insert the printed Sequence Listing.

REMARKS

Applicants submit this Amendment to indicate the insertion point for the substitute Sequence Listing filed concurrently herewith. Applicants respectfully request examination on the merits of this application.

Receipt of the initial Office Action on the merits is awaited.

Respectfully submitted,

16 October 2001
Date

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Versions with Markings to Show Changes Made

IN THE SPECIFICATION

Please amend the Specification as follows:

On pages 6 and 7, please replace paragraphs 0017, 0018, 0023 and 0024 with the following rewritten paragraphs, respectively:

[0017] Figure 1 provides the nucleotide sequence of a 5'-flanking and 5'-untranslated region (UTR) of a GLP-2 receptor gene (SEQ ID NO: 1).

[0018] Figure 2 provides a comparison of the sequence encoding the putative 5'-UTR sequence in the murine gene (SEQ ID NO: 2) to the 5'UTR sequence of the rat cDNA (SEQ ID NO: 3).

[0023] Figure 7a shows approximately 230 bp of sequence (SEQ ID NO: 4), including 104 bp of 5'-untranslated sequences corresponding to the 5'-end of the cDNA encoding the rat GLP-2R (SEQ ID NO: 5) obtained from sequencing of RACE products.

[0024] Figure 7b shows the organization of 5'-flanking and exon-1 sequences in the mouse GLP-2R gene (SEQ ID NO: 6 and 9) compared to rat exon 1 (SEQ ID NO: 7) and human GLP-2R (SEQ ID NO: 8) 5'-flanking and 5'-untranslated sequences.

On pages 34 and 35, please replace paragraphs 0113, 0114, 0115, 0116, and 0118 with the following rewritten paragraphs, respectively:

[0113] (1) for rat GLP-2R: (SEQ ID NO: 10)5'-TTGTGAACGGGCGCCAGGAGA-3'and (SEQ ID NO: 11)5'-GATCTCACTCTCTTCCAGAATCTC-3' were annealed at 65°C for 40 cycles;

[0114] (2) for mouse GLP-2R: (SEQ ID NO: 12)5'-CTGCTGGTTTCCATCAAGCAA-3' and (SEQ ID NO: 13)5'-TAGATCTCACTCTCTTCCAGA-3' were annealed at 65°C for 30 cycles;

[0115] (3) for rat GAPDH: (glyceraldehyde-3-phosphate dehydrogenase) (SEQ ID NO: 14)5'-TCCACCACCCTGTTGCTGTAG-3' and (SEQ ID NO: 15)5'-GACCACAGTCCATGACATCACT-3' were annealed at 60°C for 30 cycles; and

[0116] (4) for GLP-2R-LacZ transgene: (SEQ ID NO: 16)5'-CGCTGATTTGTGTAGTCGGTT-3' and (SEQ ID NO: 17)5'-CTTATTCGCCTTGCAGCACAT-3' were annealed at 63°C for 40 cycles.

[0118] Following amplification, PCR products were separated by gel electrophoresis, transferred onto a nylon membrane (GeneScreen, Life Technologies), and hybridized with a ^{32}P-labeled: (1) internal cDNA probe for rat GLP-2R (Munroe et al., (1999) *Proc. Natl. Acad. Sci. USA* **96,** 1569-1573; and Yusta et al., (2000) *Gastroenterology* **119**(3)**,** 744-755), or (2) an internal LacZ oligonucleotide (SEQ ID NO: 18) (5'-TCAGGAAGATCGCACTCCAGC-3'), or (3) an internal cDNA probe for rat GAPDH (Piechaczyk et al., (1984) *Nucleic Acids Res.* **12**(18)**,** 6951-63). Following hybridization, membranes were washed stringently and hybridization signals were quantified on a STORM 840-phosphorimager (Molecular Dynamics, Sunnyvale, CA) using ImageQuaNT™ software, Version 5.0, Molecular Dynamics.